

What Is Claimed Is:

1 1. A method for forming ribs in a plasma display panel  
2 (PDP), comprising:

3 providing a glass substrate;

4 forming a plurality of address electrodes on the glass  
5 substrate;

6 forming a dielectric layer on the address electrodes and  
7 the glass substrate;

8 forming and patterning a plurality of sandblasting  
9 stoppers above the dielectric layer, the sandblasting stoppers  
10 substantially corresponding to the address electrodes, and the  
11 width of each sandblasting stopper being not smaller than the  
12 width of each address electrode;

13 forming a rib material layer over the dielectric layer and  
14 the sandblasting stoppers;

15 forming and patterning a plurality of sand-resists on the  
16 rib material layer;

17 sandblasting the rib material layer to form a plurality of  
18 ribs and to expose the sandblasting stoppers;

19 removing the sand-resists and the sandblasting stoppers;  
20 and

21 performing a sinter process to the dielectric layer and the  
22 ribs.

1 2. The method as claimed in claim 1, wherein the method of  
2 forming the sandblasting stopper comprises the steps of:

3 (a) forming a first photosensitive layer onto the  
4 dielectric layer; and

10035545 "110601

5 (b) patterning the first photosensitive layer by an  
6 exposure and development process to form the sandblasting  
7 stoppers.

1 3. The method as claimed in claim 2, wherein the first  
2 photosensitive layer is a photosensitive dry film, and the dry  
3 film is laminated on the dielectric layer.

1 4. The method as claimed in claim 1, wherein the method of  
2 forming the sand-resists comprises the steps of:

3 (a) forming a second photosensitive layer on the dielectric  
4 layer; and

5 (b) patterning the second photosensitive layer by an  
6 exposure and development process to form the sand-resists.

1 5. The method as claimed in claim 4, wherein the second  
2 photosensitive layer is a photosensitive dry film, and the dry  
3 film is laminated on the dielectric layer.

1 6. The method as claimed in claim 1, wherein the  
2 sandblasting stoppers have a predetermined horizontal distance  
3 to the sand-resists.

1 7. The method as claimed in claim 1, wherein a gap is formed  
2 between two adjacent sandblasting stoppers, each rib has a  
3 bottom width, and the gap is substantially equal to the bottom  
4 width of the rib.

10035545-110501

1 8. The method as claimed in claim 1, wherein the width of  
2 each sand-resist is substantially equal to a top width of each  
3 rib.

1 9. The method as claimed in claim 1, wherein the sidewalls  
2 of the ribs are in a striped shape.

1 ~~10~~ 8. The method as claimed in claim 1, wherein the sidewalls  
2 of the ribs are in a curved shape.

1,126

10035545-110601